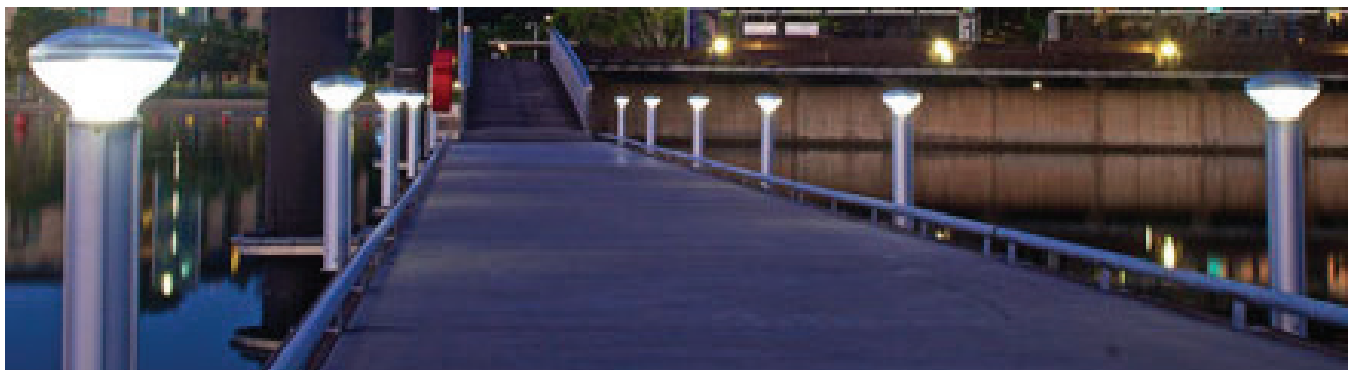
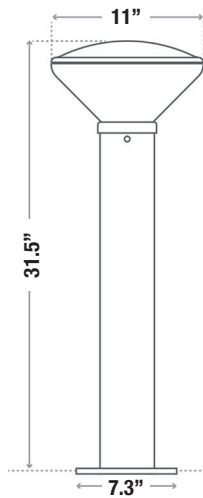
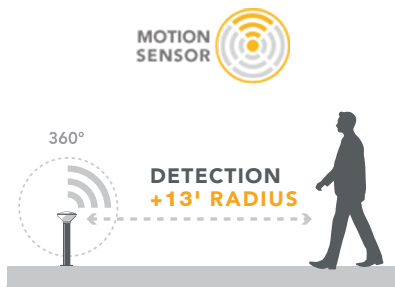


# Solar Vandal Resistant Bollard Light



Our Solar Vandal Resistant Bollard is engineered to last ages and work better than conventional bollards. It features high-efficacy LEDs and the finest components for the best and longest performance. Our Solar Vandal Resistant Bollard is constructed and designed to reach the highest vandal resistant rating of IK10++, making it almost impossible to break. The Solar Vandal Resistant Bollard is also totally waterproof with an IP68 rating, making it ideal for safety and flooded areas.

- High housing and dome are molded with sabix lexan SLX polycarbonate UV protection effect guaranteed for over 12 years.
- The design and shape make the luminaire almost indestructible and easily passed IK10++ certification.
- LEDs are mounted to PC boards and directly attached to upper housing for best thermal management
- Encapsulated monocrystalline solar panel grade A solar cell with tempered glass
- Microwave motion sensor Invisible and integrated to the luminaire housing 12 ft radius detection.
- The light automatically switches on at dusk and switches off at dawn. 30% permanent lighting, when motion is detected power turns to 100%
- 130 Lumen per watt and IP68 rated
- 5 Years warranty on all components



# Solar Vandal Resistant Bollard Light

## Specifications

Model #	SKU #	Power	PV Type	Solar Panel	Lithium Battery	Lumens	CCT	Fixture Height	IP Rating	Material
AVS-VDL007	787905	5W	MONO	6.3W	12AH	560	5000K	3.2FT	IP65	ALUMINUM

### SAVINGS

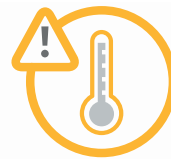
INSTALLATION, ENERGY, UTILITY, AND MAINTENANCE.

THE **STRONGEST** BOLLARD YOU'VE EVER SEEN !

**NO** ELECTRICITY **×** CONSUMPTION **NO** COST **NO** TRENCHING **NO** CABLING



**MOTION SENSOR**  
Optimal component calibration and intelligent management system



**EXTREME TEMPERATURE**  
Resistant  
-4°F to 149°F



**AUTONOMY**  
24 Hours operation at full Charge.  
Smart Management  
3 Rainy Back Up

## Correlated Color Temperature

5000K



Cool White

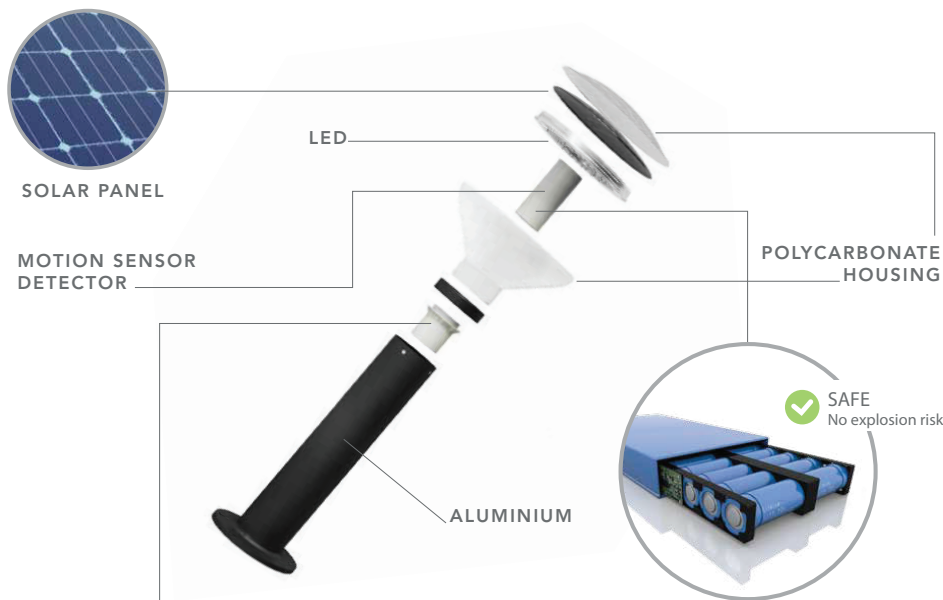
Neutral White

Warm White



# Solar Vandal Resistant Bollard Light

## Product Design and Benefits



### BATTERY LITHIUM LIFEPO4

The Eco-friendly and safe LiFePO4 battery improves the cyclic charge and discharge over 2000 times and has a life span of more than 10 years.



### BATTERY MANAGEMENT SYSTEM

Electronic Algorithm Protection and battery management system for best use of the battery capacity.



### MULTI PROTECTION

- OVER LOAD
- OVER CURRENT
- OVER TEMPERATURE
- OVER VOLTAGE
- OVER CHARGE
- OVER DISCHARGE



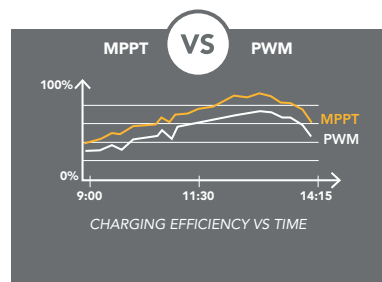
### MPPT / SMART CONTROLLER 97% CHARGING EFFICIENCY

MPPT (Maximum Power Point Tracking) controller automatically track the maximum power point according to the weather variation.

Charging rate : 16-30%



Waterproof resistant **IP68**



LIFEPO4	VS	LI ION
Over 2000 cycles	⌚	Over 500 cycles
No Risk of Explosion	✓	Very High Risk Explosion in High Temperature
14°F to 167°F	🌡️	32°F to 113°F
Over 10 Years	📅	24 to 32 Months
	💰	50% Cheaper than LiFePO4



# Solar Vandal Resistant Bollard Light

Pr

## LUMINAIRE HOUSING

High-housing and dome are **moulded with sabic Lexan SLX Polycarbonate UV protection effect ( yellowing ) guaranteed for over 12 years.** The design and shape make the luminaire almost undestructible and easily passed **IK10++ certification.**

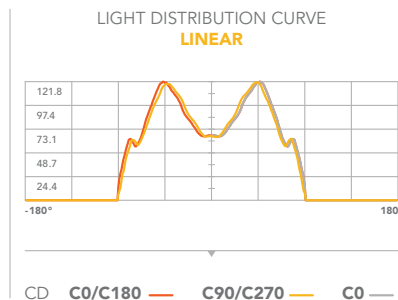
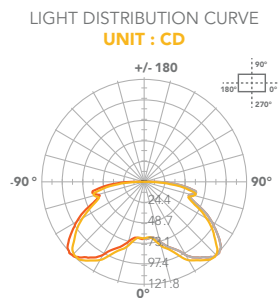


IP68

RANGE CAPABILITY OF -22F° TO 176°F

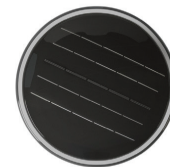
## LIGHTING A TOTAL OF 560 LUMENS

**16 LED Chips of 130 Lumens per Watts.** LEDs are mounted to PC boards and directly attached to upper housing for best thermal management.



## SOLAR PANEL 6.3 Watt 6V

Encapsulated Monocrystalline Solar Panel  
Grade **A** Solar Cell with Tempered Glass.



## MICROWAVE MOTION SENSOR

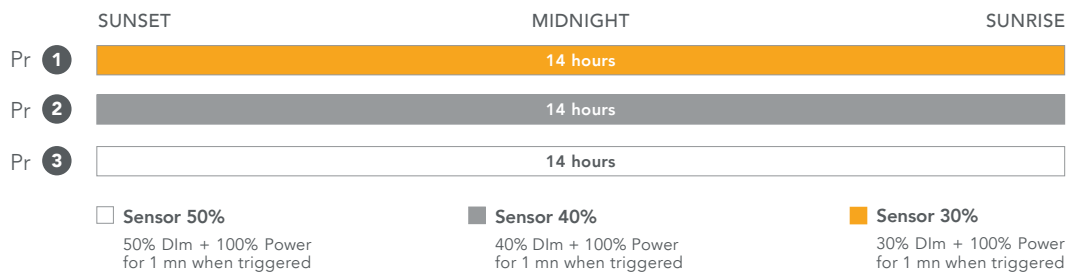
**360° coverage,** invisible and integrated to the luminaire housing  
+13' radius detection.



## OPERATION MODE

THE PHOTSENSOR WILL AUTOMATICALLY SWITCH ON & OFF THE LIGHT FROM DUSK TO DAWN.

Microwave Motion Sensor with 360 coverage, invisible and integrated to the luminaire housing will detect any presence and turn the light to full power.

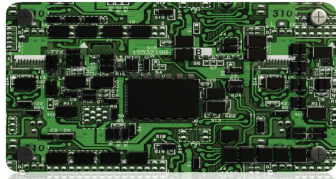


SOLAR PATHWAY LIGHTS



# Solar Vandal Resistant Bollard Light

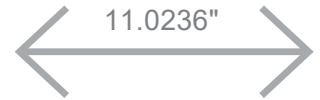
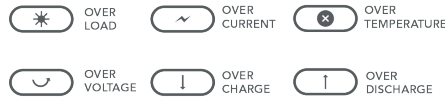
## Product Design and Benefits



MULTI PROTECTION

### BATTERY MANAGEMENT SYSTEM **BMS**

The electronic Algorithm protect the battery from operating outside its safe operating area monitoring its state, calculating secondary data, reporting that data, controlling its environment, authenticating it and / or balancing it.



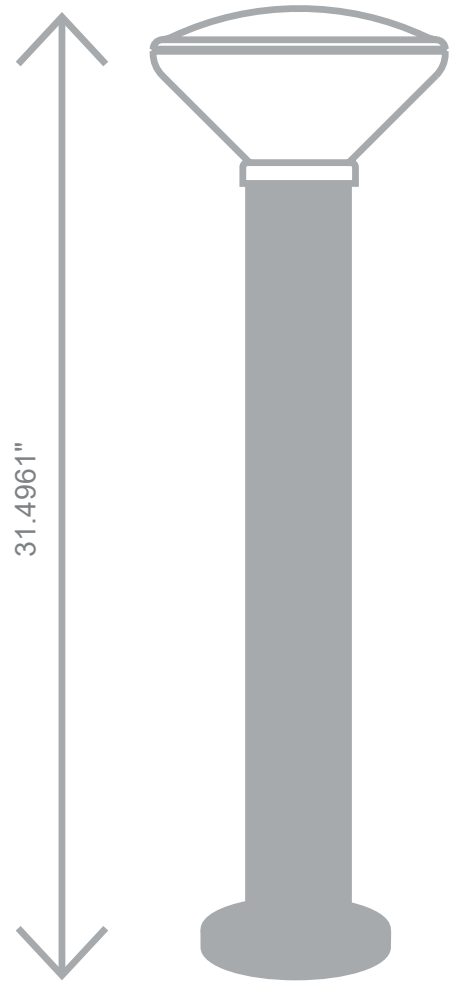
**5W / 560 LUMENS**

### SAVINGS

**INSTALLATION, ENERGY, UTILITY, AND MAINTENANCE.**

#### GENERAL

WATTAGE	5 WATTS @ 100% / 2.5 WATTS DIM
BATTERY	LITHIUM LIFEPO4 12 AH 3.2 VOLTS
PV PANEL	6.3 WATTS MONOCRYSTALLINE PANEL
CHARGING TIME	6 HOURS PER DAY
MATERIAL	POLYCARBONATE & ALUMINUM
CCT	5000 K
AUTONOMY	24 HOURS AT FULL CHARGE
HEIGHT	31.49" ( INSTALLED )
FINISH	BLACK



**APPLICATIONS**  
 Marking Pathways - Public Spaces  
 Public Parks - Accentuating Landscaping  
 Pedestrian Areas - University - Parks  
 Hotels & Hospitality - Vehicular Traffic

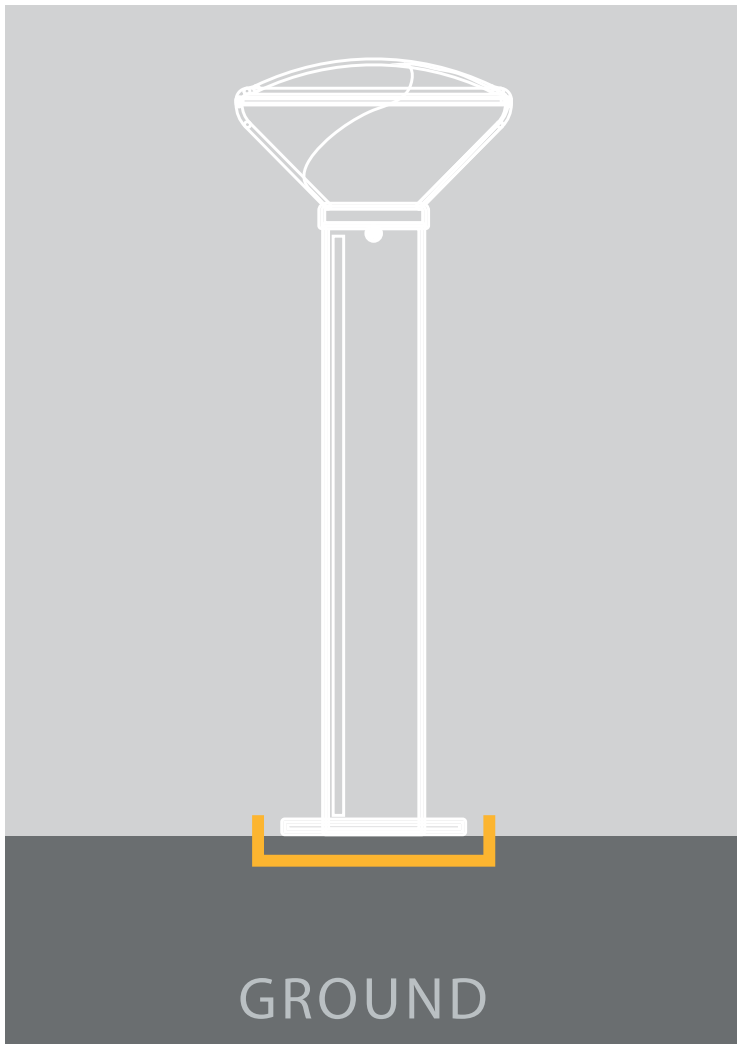
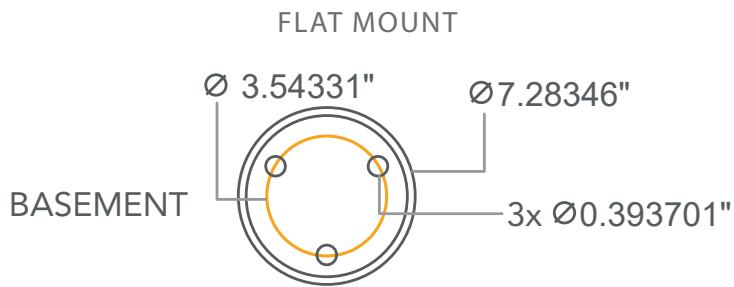


# Solar Vandal Resistant Bollard Light

## Product Design and Benefits

### MOUNTING

Marine Grade anodized pole of **over 0.24"** thickness.



SOLAR PATHWAY LIGHTS



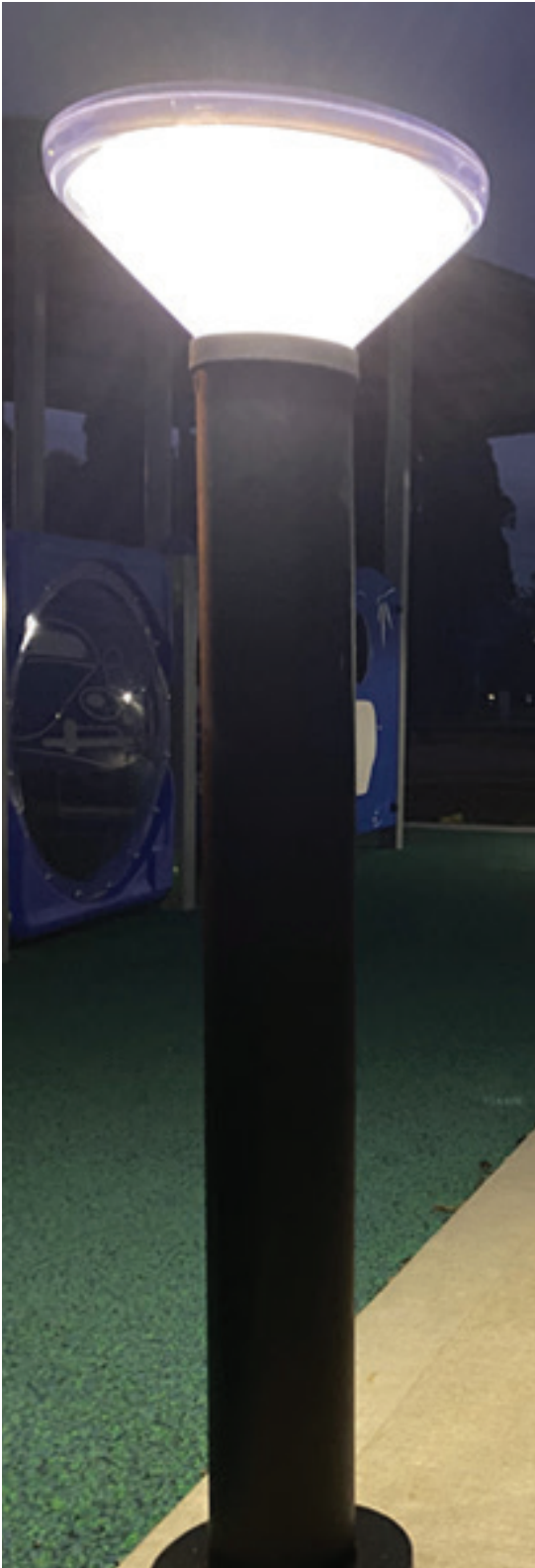


# Solar Vandal Resistant Bollard Light

SOLAR PATHWAY LIGHTS



# Solar Vandal Resistant Bollard Light



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SOLAR PATHWAY LIGHTS

